

```
number := "21569847"
```

```
data := [ "One" "Two" "Three" "Four" "Five" "Six" "Seven" "Eight" "Nine"  
"Eleven" "Twelve" "Thirteen" "Fourteen" "Fifteen" "Sixteen" "Seventeen" "Eighteen" "Nineteen"  
"Ten" "Twenty" "Thirty" "Forty" "Fifty" "Sixty" "Seventy" "Eighty" "Ninety"  
"Thousand" "Million" "Billion" "Trillion" "Quadrillion" "Quintillion" "Sextillion" "Septillion" "Octillion" ]
```

```
str := number  
while strlen(str) < 30  
  str := strjoin("0"; str)  
for i ∈ [10..1]  
  uchi := substr(str; i·3-2; 3)  
text := ""  
for i ∈ [1..10]  
  x := str2num(substr(uchi; 1; 1))  
  y := str2num(substr(uchi; 2; 1))  
  z := str2num(substr(uchi; 3; 1))  
  if x ≠ 0  
    text := strjoin(""; {text  
data 1 x  
" Hundred"})  
    join := " and "  
  else  
    join := ""  
    text := strjoin(""; {text  
join  
data 3 y  
} if (y > 0) ∧ (z = 0))  
    text := strjoin(""; {text  
join  
data 2 z  
} if (y = 1) ∧ (z ≠ 0))  
    text := strjoin(""; {text  
join  
data 3 y  
" "  
data 1 z  
} if (y > 1) ∧ (z ≠ 0))  
    text := strjoin(""; {text  
join  
data 1 z  
} if (y = 0) ∧ (z ≠ 0))  
    "" otherwise  
  if (uchi ≠ "000") ∧ (i ≠ 10)  
    text := strjoin(""; {text  
" "  
data 4 10-i  
" , "  
})  
  else  
    ""  
if text = ""  
  text := "Zero"  
else  
  ""
```

```
text = "Twenty One Million, Five Hundred and Sixty Nine Thousand, Eight Hundred and Forty Seven"
```